



Sheet 1 of 1

Form PTO-1449 Equivalent	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 500.37488CC5	SERIAL NO. 10/644,824
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT SHIROISHI	
		FILING DATE August 21, 2003	GROUP 2827 2032

U.S. PATENT DOCUMENTS

Ex. Initial	Doc. No.	Date	Name	Class	Subclass	Filing Date
TC	AA	6,266,216	Hikami et al			
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					

U.S. PATENT APPLICATIONS

	Publication Number	Name	Publication Date
	AJ		
	AJ		
	AK		
	AL		

FOREIGN PATENT DOCUMENTS

	Doc. No.	Date	Country	Class	Subclass	Translation/Abstract?	
						Yes	No
TC	AM	9-69440	Japan			Abstract	
TC	AN	6-20258	Japan			Abstract	
TC	AO	10-143820	Japan			Corr. to AA	
	AP						
	AQ						

OTHER DOCUMENTS

	AR	
	AS	
	AT	
Examiner /Tianjie Chen/		Date Considered 05/11/2006

Form PTO-1449
Equivalent

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No. 500.37488CC5

Serial No. (not yet assigned)

Applicant: Y. SHIROISHI

Filing Date: August 21, 2003

Group: 2652

Page 2 of 2

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation	
				Yes	No
61-97906	5/86	Japan			
63-148411	6/88	Japan			
63-234407	9/88	Japan			
2-61572	3/90	Japan			
2-148643	6/90	Japan			
2-218904	8/90	Japan			
3-16013	1/91	Japan			
4-358310	12/92	Japan			
6-274827	9/94	Japan			
7-134820	5/95	Japan			
7-296304	11/95	Japan			
7-333015	12/95	Japan			
8-153309	6/96	Japan			
9-091660	4/97	Japan			
0 797 187 A2	9/97	European			

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

Examiner

Chris Tuziye

Date Considered

04/15/05

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609;
Draw line through citation if not in conformance and not considered. Include copy of this form with
next communication to applicant.

IDS 08/21/2003

Form PTO-1449
Equivalent

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No. 500.37488CC5
Serial No. (not yet assigned) 10/644,824
Applicant: Y. SHIROISHI
Filing Date: August 21, 2003
Group: 2652
Page 1 of 2

U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
Ch	4,651,248	3/87	Shiiki et al		
	4,809,232	2/89	Baumbaugh et al		
	4,949,039	8/90	Grunberg		
	5,143,794	9/92	Suzuki et al		
	5,206,590	4/93	Dienay et al		
	5,363,251	11/94	Kamo et al		
	5,446,307	8/95	Lux et al		
	5,493,467	2/96	Cain et al		
	5,583,752	8/96	Komuro et al		
	5,572,490	11/96	Kazama		
	5,621,596	4/97	Santini		
	5,712,747	1/98	Voldman et al		
	5,739,988	8/98	Gill		
	5,932,343	8/99	Hayashi et al		
	5,949,623	9/99	Lin		
	5,956,208	9/99	Kawazoe		
	5,969,523	10/99	Chung et al		
	5,970,602	10/99	Harada et al		
	6,014,289	1/00	Goss		
	6,034,851	3/00	Zarouri et al		
	6,038,102	3/00	Balakrishnan et al		
	6,046,882	4/00	Pattanaik et al		
	6,055,131	4/00	Takahashi et al		
	6,069,774	5/00	Arisaka et al		
	6,114,850	9/00	Hayashi		
	6,141,190	10/00	Nakamoto et al		
	6,122,818	9/00	Lee		
	6,125,019	9/00	Hoshiya et al		
	6,134,084	10/00	Ohwe et al		
	6,163,443	12/00	Matagami et al		
	6,181,514	1/01	Santini et al		
	6,188,546	2/01	Nakajima et al		
	6,194,896	2/01	Takahashi et al		
	6,201,667	3/01	Yamamoto et al		
	6,313,969	11/01	Hattori et al		
	6,324,035	11/01	Shiroishi		
	6,407,892	6/02	Shiroishi		
	6,410,133	6/02	Kirino et al		
	6,417,998	7/02	Crue et al		